

## CLAIMS:

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1. A grid (3) for the absorption of X-rays, characterized in that there are provided a plurality of layers which contain a plurality of wire elements (10) that are spaced apart.
  2. A grid as claimed in claim 1, characterized in that the wire elements (10) in a layer are arranged so as to extend parallel to one another.
  3. A grid as claimed in claim 1, characterized in that the wire elements (10) of different layers are arranged so as to extend at right angles to one another.
  4. A grid as claimed in claim 1, characterized in that the wire elements (10) have round or polygonal cross-sections.
  5. A grid as claimed in claim 1, characterized in that the distances ( $D_X$ ,  $D_Y$ ) between the wire elements (10) of a layer or different layers are different.
  6. A grid as claimed in claim 1, characterized in that the wire elements (10) of a plurality of successive layers are oriented in one direction (x or y).
  7. A grid as claimed in claim 1, characterized in that an anti-scatter grid composed of layers is focused onto a focus.
  8. A grid as claimed in claim 1, characterized in that the wire elements (10) consist of a material absorbing X-rays or are coated with such a material.
  9. A grid as claimed in claim 1, characterized in that the layers are provided with an X-ray transparent auxiliary substance in order to secure the wire elements.
  10. An X-ray examination apparatus which includes a grid (3) as claimed in one of the claims 1 to 8, which grid (3) is arranged in front of an X-ray detector (8).